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(71) Applicant

**Mohammed Asif Moghal**  
 8 Lonsdale Road, Cyncoed, Cardiff, South Glamorgan,  
 CF3 7JF, United Kingdom

(72) Inventor

**Mohammed Asif Moghal**

(74) Agent and/or Address for Service

**Urquhart-Dykes & Lord**  
 Cardiff Business Technology Centre,  
 Senghennydd Road, Cardiff, CF2 4AY, United Kingdom

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(56) Documents cited

**GB 2084940 A**

**WO 88/09709 A**

**US 4957302 A**

**US 4867273 A**

**US 4863178 A**

**US 4832355 A**

**US 4632410 A**

(58) Field of search

**UK CL (Edition K) B7B BTC BTX2**

**INT CL<sup>6</sup> B25H**

(54) Tool trolley and combined seat

(57) A tool trolley for use in carrying out repair or maintenance work, for example on motorcycles, comprises a chassis or base 10 with running wheels 12, a seating platform 20 which is mounted to the base 10 and is adjustable for height, and two supports (e.g. 30) one either side of the seating platform 20, for supporting tool boxes. The seating platform has a back rest 22 which can be folded flat onto the seating platform 20. The seating platform 20 can be lowered flat onto the chassis 10 and the tool box supports 30 (which have their own ground-engaging wheels e.g. 32) can be folded flat against the chassis.

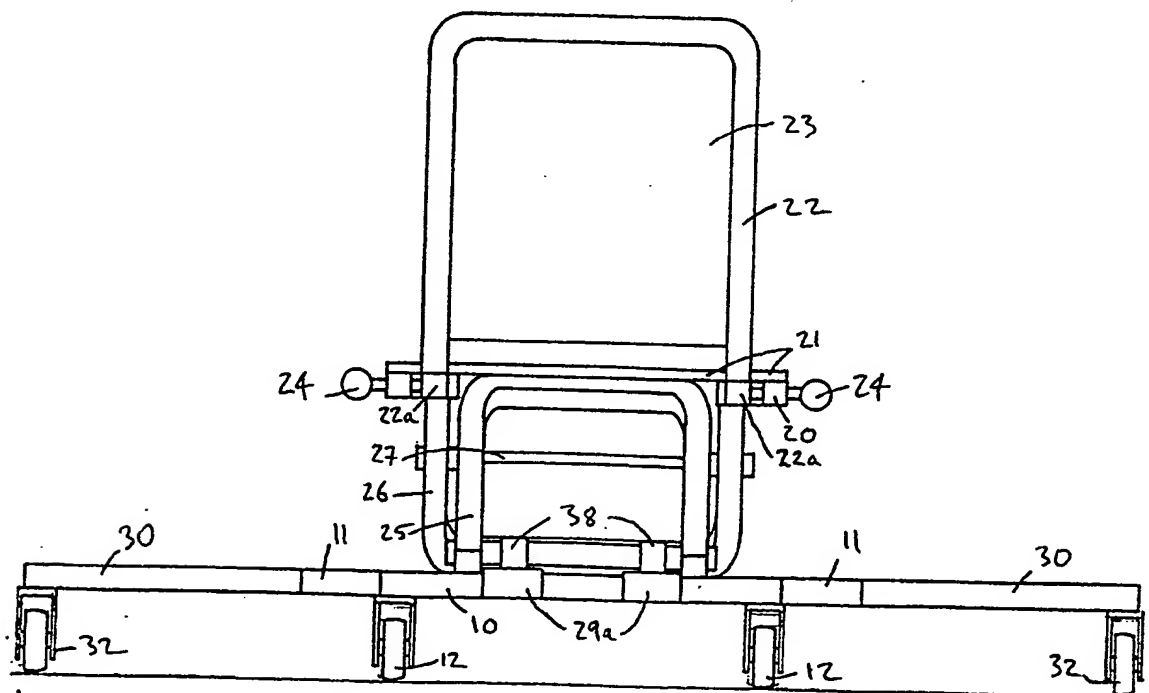


FIGURE 1

The claims were filed later than the filing date within the period prescribed by Rule 25(1) of the Patents Rules 1990.

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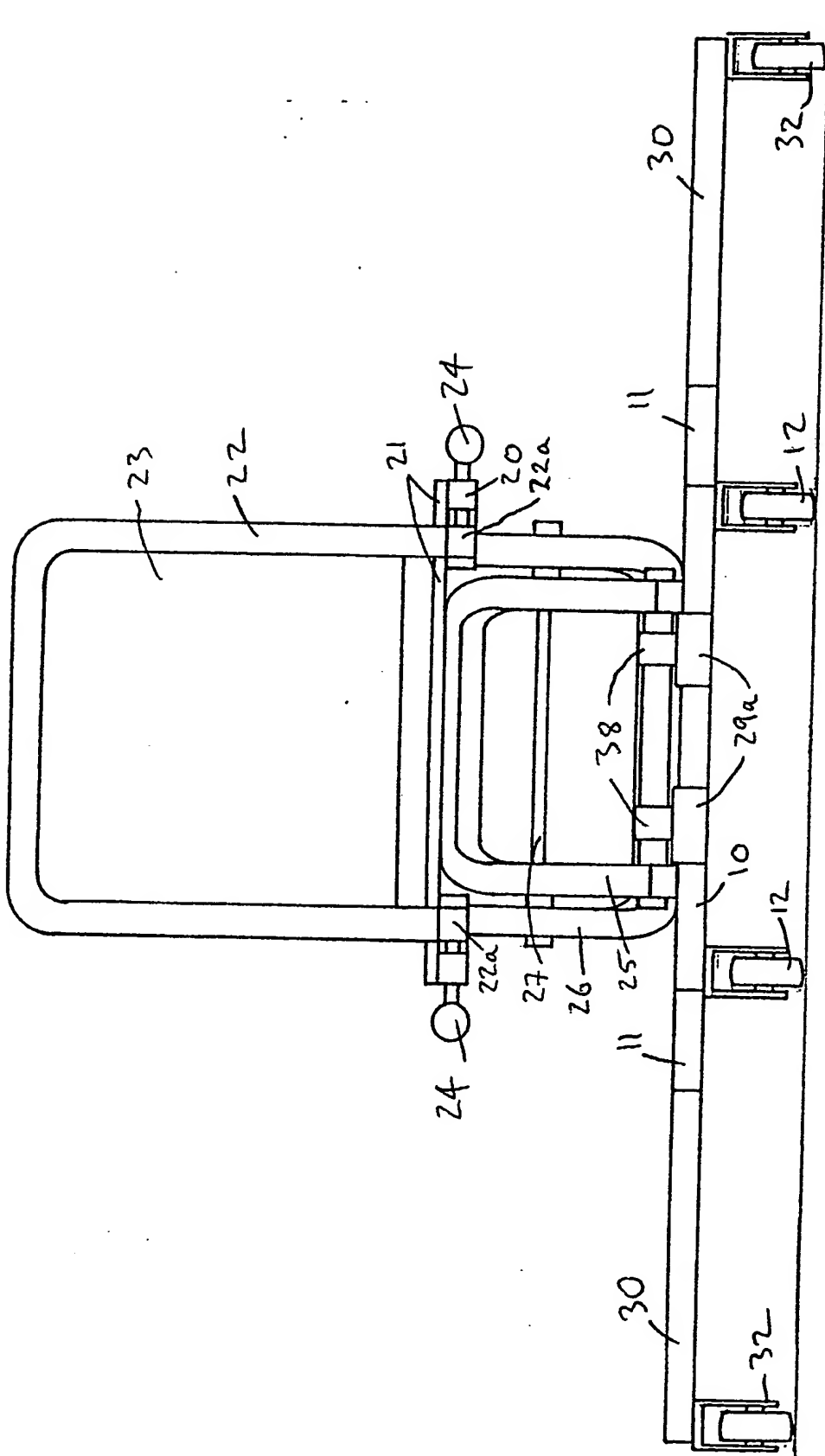


FIGURE 1

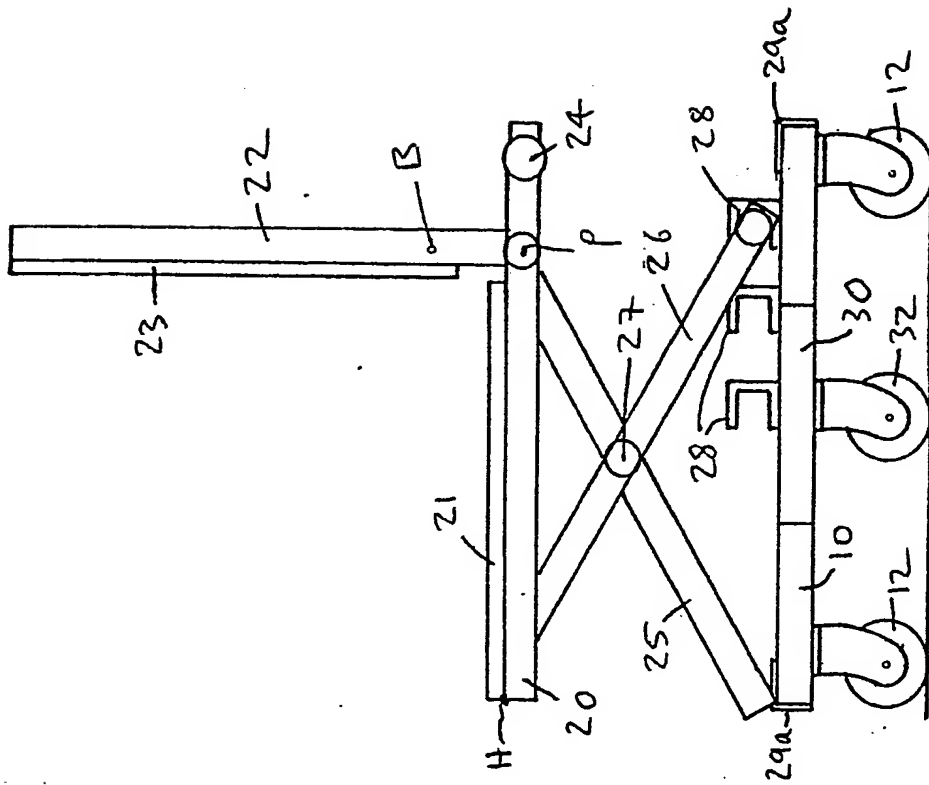
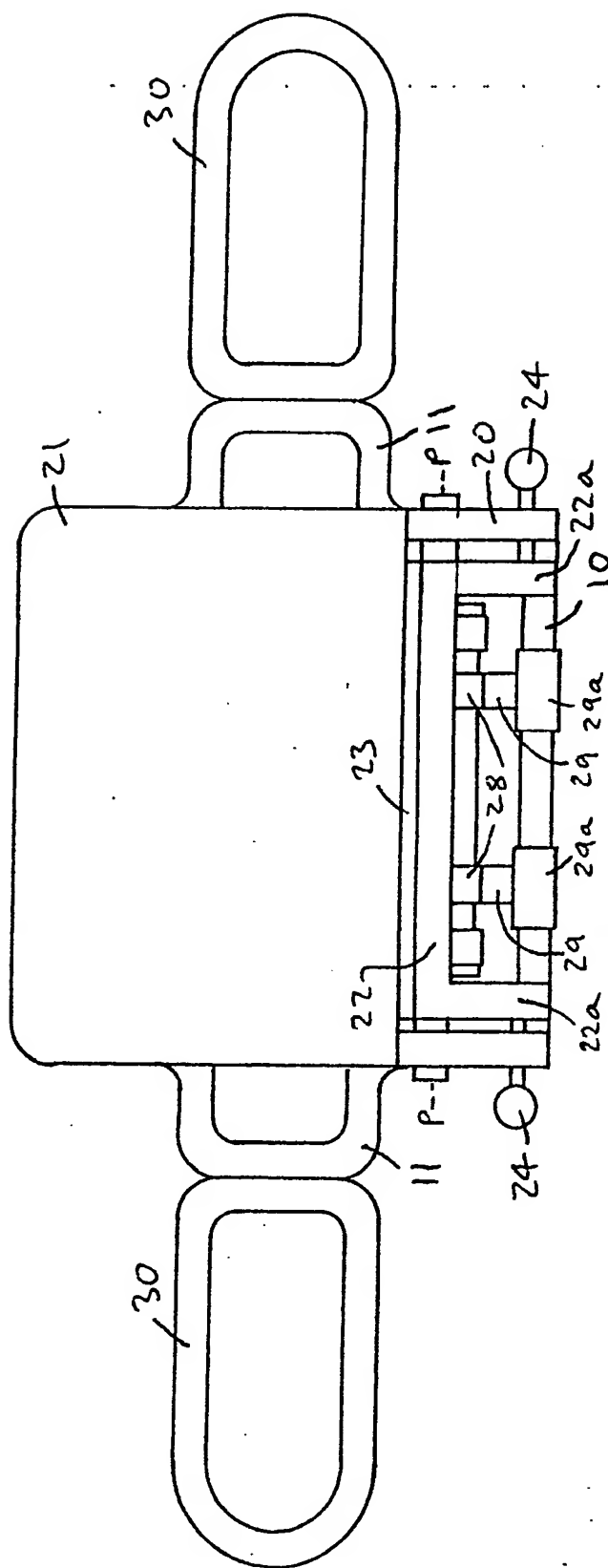


FIGURE 2



### Figure 3

### Tool Trolley

This invention relates to a trolley for use when carrying out repair or maintenance work, for example on motorcycles.

In accordance with this invention there is provided a trolley which comprises a set of wheels for running on the ground, a platform for sitting upon, and a support alongside the platform for supporting a tool box.

The user may sit on the trolley adjacent the motorcycle etc on which he is working, and move the trolley easily into position by rolling over the ground. Further, when sitting on the trolley he may reach easily for tools in the tool box supported on the trolley alongside him.

Preferably the trolley has a pair of supports, one either side of the seating platform, for supporting tool boxes.

Preferably the seating platform is adjustable for height. Preferably the seating platform has a back rest, which preferably can be folded flat onto the seating platform. Preferably the seating platform can be lowered flat onto a base or chassis of the trolley, to which the wheels are fitted. Preferably the back rest can be pivoted backwards into a horizontal position, to form (with the seating platform) an extended horizontal platform for the user to lie on e.g. when working underneath a vehicle.

Preferably the tool box support or supports can be folded flat against the base of the trolley for storing. Preferably the or each tool box support has its own wheel for engaging the ground.

An embodiment of this invention will now be described by way of example only and with reference to the accompanying drawings, in which:

FIGURE 1 is a rear view of a tool trolley in accordance with this invention, with its seating platform raised

and its tool box supports extended;

FIGURE 2 is a side view of the tool trolley of Figure 1; and

FIGURE 3 is a plan view of the tool trolley.

Referring to the drawings, there is shown a tool trolley which comprises a base or chassis 10 with running wheels 12, a seating platform 20 which is mounted to the base 10 but is adjustable for height, and two supports 30 mounted to the base 10 either side of the seating platform 20, for supporting tool boxes.

The base 10 comprises a metal frame which is generally rectangular but has outwardly projecting portions 11 on its opposite sides. The running wheels 12 are formed by casters fitted to the four corners of the base 10.

The seating platform 20 comprises a U-shape metal frame covered by a flat panel 21. A back rest 22 is provided and comprises a U-shape metal frame pivoted to the seating platform frame 20 at P-P adjacent the rear of the latter, and covered by a flat panel 23. The back rest frame 22 has two rearwardly extending sections 22a projecting from its free ends, which lie horizontal and parallel to the seating frame 20 adjacent the rear, free ends of the latter, when the back rest is raised as shown. Two spring locks 24 are mounted to the seating frame 20 and engage the projecting sections 22a of the back rest frame, to lock the back rest in the raised position.

If the locks 24 are pulled out against their springs to release the back rest 22, the latter may be pivoted backwards and into a horizontal position, in which the locks 24 can re-engage the back rest at B (Figure 2). The back rest 22 then forms, with the seating platform 20, an extended horizontal surface for the user to lie on, particularly when the seating platform is lowered, for working under a vehicle for example. The panel 21 of the seating platform is hinged at H along its front edge and to the front rail of the frame 22: the panel maybe lifted about this hinge and the back rest 22 then folded

down flat to lie within the frame 22, after which the panel 21 can be folded back into position, for storage or otherwise.

The seating platform 20 is mounted to the base 10 by a pair of U-shape metal frames 25, 26: 25 fits within frame 26 and the two are pivoted together by a shaft 27 which extends through their opposite sides. The frame 25 is pivoted to the front rail of the base frame 10 and to the rear of the seating platform 20. Frame 26 is pivoted to the front of the seating platform 20 and has a rear rail engageable in one or other of three pairs of channel members 28 mounted across the base 10 towards its rear. The channel members 28 are mounted to two bars 29 which extend between the front and rear rails of the base frame 10, each bar having a channel piece 29a fixed to its opposite ends and engaged over the respective rails of the frame 10. The seating platform 20 can therefore be set to one or other of three different heights, or by disengaging the frame 26 altogether from these channels 28, it can be lowered flat onto the base 10.

The two tool box supports 30 comprise generally rectangular metal frames with rounded outer ends and having their inner rails pivoted to the projecting portions 11 of the main base 10. A caster 32 is fitted to each support 30 at its outer end, to run on the ground. When the trolley is not in use, the supports 30 may be folded over onto the lowered seating platform.

Claims

- 1) A trolley which comprises a set of wheels for running on the ground, a platform for sitting upon, and a support alongside the platform for supporting a tool box.
- 2) A trolley as claimed in claim 1, having a pair of said  
5 supports, one either side of the seating platform, for supporting tool boxes.
- 3) A trolley as claimed in claim 1 or 2, in which the seating platform is adjustable for height.
- 4) A trolley as claimed in any preceding claim, in which  
10 the seating platform can be lowered flat onto a base or chassis of the trolley, to which said wheels are fitted.
- 5) A trolley as claimed in claim 4, in which the seating platform has a back rest, which can be pivoted backwards into a horizontal position.
- 15 6) A trolley as claimed in any preceding claim, in which a back rest, or said back rest, of the seating platform can be folded flat onto the seating platform.
- 7) A trolley as claimed in any preceding claim, in which the tool box support or supports can be folded flat against a  
20 base or chassis, or said base or chassis, of the trolley, to which said wheels are fitted.
- 8) A trolley as claimed in claim 7, in which the or each tool box support has its own ground-engaging wheel.



**Patents Act 1977**  
**Examiner's report to the Comptroller and**  
**Section 17 (The Search Report)**

Application number

9101087.6

**Relevant Technical fields**

(i) UK Cl (Edition K ) B7B (BTX2, BTC)

(ii) Int Cl (Edition 5 ) B25H

**Search Examiner**

PAT EVERETT

**Databases (see over)**

(i) UK Patent Office

(ii)

**Date of Search**

1 APRIL 1992

Documents considered relevant following a search in respect of claims 1 TO 8

Category (see over)	Identity of document and relevant passages	Relevant to claim(s)
X, Y	GB 2084940 A (FOKERD) whole document	X: 1,3,4; Y: 5
Y	WO 88/09709 (FRIARE) whole document	5
Y	US 4957302 (MAXWELL) figure 7	5
X, Y	US 4867273 (SCHAEVITZ) figure 2 and column 6 lines 36-37	X: 1, 3; Y: 5
X, Y	US 4863178 (FRIESEN) figure 3 and column 3 lines 14-22, column 4 lines 11-17)	X: 1, 3; Y: 5
X, Y	US 4832355 (HUNG) figures 4-6, also note grooves 13 for tools)	X: 1, 2; Y: 5
X, Y	US 4632410 (BAINBRIDGE) figures 6-10 note trays 5, 19)	X: 1-3,7 Y: 5

Category	Identity of document and relevant passages	Relevant to claim(s)

**Categories of documents**

**X:** Document indicating lack of novelty or of inventive step.

**Y:** Document indicating lack of inventive step if combined with one or more other documents of the same category.

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